

Omni Vision Inc

2000 Bloomingdale Road
Units 245-250
Glendale Heights, IL 60139

Display Monitor Specialist

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Web: www.omnivisionusa.com
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Industrial TFT Color LCD Display Monitors 12.1" Enclosed Metal Cabinet Version Model

Made in the USA

VGA/SVGA Model #		
DC Version	EC12B1G0-xx... Series	Input: +12 vdc
DC Version	EC12B2G0-xx... Series	Input: > +12 vdc
AC Version	EC12B4G0-xx... Series	Input: 110/220 VAC



Picture is of special unit with single VESA mount pattern.

FEATURES

- Easy to mount metal encased unit with multiple mounting options including side bracket, short & extended "U" wall or ceiling mount brackets, top or bottom plates for extended mounting arm or pole mounting applications, or standard rear panel 75 & 100 mm VESA pattern
- Option - **customized NEMA rated versions available** for unique applications
- User service controls of brightness, contrast, auto set up, etc
- User service controls accessed in rear standard
- Different models for different input signals - VGA/SVGA
- Input power flexibility - standard +12 vdc at 2.0 Amps, other DC voltages or auto ranging AC power input from 100-240 VAC @ 47 to 63 Hz
- **RoHS compliant**
- Safety agency compliance - UL, cUL, and others
- Standard model has anti-reflective polycarbonate protective
- Options - resistive touch screens with RS232 or USB interface for Windows and other operating systems
- Options - NTSC (composite video) available - contact factory for product information

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SPECIFICATIONS

Active Matrix	12.1" TFT color LCD (307.3 mm diagonal)
Usable Viewing Area (Size)	9.68" x 7.26" (246.0 x 184.5 mm)
Viewing Angle	Horizontal - right & left 70 degrees Vertical - upper 50 degrees & lower 60 degrees
Dot Pitch	0.3075 x 0.3075 mm
Max Resolution	800 x 600
Max Colors	16.2M/262K colors (262K - RGB 6-bit driver)
Response Time	Rise time - 10 millisec (typical) Fall time - 25 millisec (typical)
Horizontal Frequency	31.5 to 54 kHz
Vertical Frequency	56 to 85 Hz
Brightness (full white)	400 nits
Contrast Ratio	600:1
Input Signal	
VGA/SVGA models	31.4 kHz to 48 kHz @ 60 Hz thru standard analog 15-pin HD mini "D" sub connector
Power input	
DC voltage input	Standard +12 vdc @ 2 Amps with option to request models With other DC voltage ranging from 9 volts to 48 volts
AC voltage input	Standard 100-240 VAC auto ranging @ 47 to 63 Hz Thru standard IEC-320 connector or 3-wire AC power cord
Temperature	
Operating	-30 to +85 degrees C
Storage	-30 to +85 degrees C

Mechanical Details

Enclosed (encased)			
VGA/SVGA models			
DC version (+12 vdc)	EC12B1G0-xx	Drawing 94-xxx	
DC version (>+12 vdc)	EC12B2G0-xx	Drawing 94-xxx	
AC version	EC12B4G0-xx	Drawing 94-xxx	
	-xx defined below		
	Enclosure Colors		
Mounting Options	Black	Beige	Gray
Standard VESA mount	BV	LV	GV
Plate for Extended Arm top/bottom mount	BP	LP	GP
Side Bracket mount	BS	LS	GS
Short "U" bracket mount	BUS	LUS	GUS
Extended "U" bracket mount	BUE	LUE	GUE